

**CLAIMS**

1. A device for optical signaling an incoming call in a telecommunication terminal, said terminal comprising acoustic means (101,102) for signaling the incoming call with an acoustic signal and said device comprising optical means (200) for signaling said incoming call with an optical signal, said device being characterized in that the acoustic means are coupled to the optical means such that said optical signal is dependent on parameters of the acoustic signal.
- 10 2. A device as claimed in claim 1, further comprising a frequency-dividing network (301-30n) coupled to the acoustic means and adapted to deliver a control signal to the optical means such that the optical signal depends on the frequency of the acoustic signal.
- 15 3. A device as claimed in claim 1, further comprising a threshold comparator (510,540) coupled to the acoustic means and adapted to deliver a control signal to the optical means such that the optical signal depends on a chronological sequence of individual tones of the acoustic signal.
- 20 4. A device as claimed in claim 3, further comprising a dynamic detector (520), which controls the threshold comparator (510) in dependence on the amplitude of the individual tones of the acoustic signal.
- 25 5. A device as claimed in claim 1, wherein the optical means comprise at least two light sources.
6. A device as claimed in claim 5, wherein the light sources are light-emitting diodes.
- 30 7. A device as claimed in claim 5, wherein the optical means comprise groups (201-205) of light sources, each group (201) comprising a plurality of light sources (211,221,231,241) connected in parallel and said groups being activated successively.

8. A device as claimed in claim 7, wherein said light sources are spatially arranged in a predetermined order so as to be illuminated successively according to a running light.

5 9. A device as claimed in claim 8, further comprising means (530) for detecting a special event and means (540) for reverting the direction of the running light in response to the detection of said special event.

10 10. A telecommunication terminal comprising acoustic means (101,102) for signaling an incoming call with an acoustic signal and optical means (200) for signaling said incoming call with an optical signal, said terminal being characterized in that the acoustic means are coupled to the optical means such that said optical signal is dependent on parameters of the acoustic signal.

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